Dekel Patent Ltd.

Israel

Beit Harof im
18 Menuha VeNahala Street, Roote TRAN
Rehovot 76209



טל. Tel: 972-8-9495334 פקס. Fax. 972-8-9495323

E-mail: dekelltd@netvision.net.il

דקל פטנט בע"מ

בית הרופאים מנוחה ונחלה 18, חדר 27 רחובות 76209

12 August 2004

PO Box 1450 Alexandria, Virginia 22313-1450 US

Commissioner for Patents

Re: Incorrect Address

Dear Sirs,

The enclosed Notice of Allowance was sent to us in error. We are not the attorneys of record.

Please resend this to the correct address.

Thank you very much.

Sincerely, Sand Ille

David Klein Dekel Patent Ltd.

Encl.

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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

07/30/2004

Dekel Patent Ltd.
Beit HaRofim
18 Menuha VeNahala Street, Room 27
Rehovot,
ISRAEL

EXAMINER

VU, JIMMY T

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ART UNIT

PAPER NUMBER

DATE MAILED: 07/30/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616.999	07/11/2003	Hiroaki Hyuga	O76382	2772

TITLE OF INVENTION: EXPOSURE DEVICE

APPLN. TYPE SMALL ENTITY		ISSUE FEE	PUBLICATION FEE TOTAL FEE(S) DUE		DATE DUE
nonprovisional NO		\$1330	\$300	\$1630	11/01/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

maintenance fee notification		in Block I, by (a) spec	cifying a new co	rrespondence addres	s; and/or (b) indicating a sepa	irate FEE ADDRESS 101			
CURRENT CORRESPONDENCE	CE ADDRESS (Note: Use Block 1 for	any change of address)		Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must					
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	590 07/30/2004			have its own certifica	te of mailing or transmission.				
Dekel Patent Ltd Beit HaRofim 18 Menuha VeNah Rehovot,	ala Street, Room 27			Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited wi States Postal Service with sufficient postage for first class mail in addressed to the Mail Stop ISSUE FEE address above, or be transmitted to the USPTO (703) 746-4000, on the date indicated to					
ISRAEL						(Depositor's name)			
						(Signature)			
						(Date)			
APPLICATION NO.	FILING DATE	FIRST	NAMED INVEN	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/616,999	07/11/2003		Hiroaki Hyuga		Q76382	2772			
TITLE OF INVENTION: E	XPOSURE DEVICE								
APPLN. TYPE SMALL ENTITY		ISSUE FEE	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE			
nonprovisional	NO	\$1330		\$300	\$1630	11/01/2004			
EXAMINER		ART UNIT	CL	ASS-SUBC LASS					
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PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN	n 37 CFR 3:11. Completion	of this form is NOT a su	ubstitute for filing	ne patent. If an assignent. Y and STATE OR CO	gnee is identified below, the opening of the openin	locument has been filed for			
Please check the appropriate	e assignee category or catego	ries (will not be printed	on the patent);	🗅 individual 🔘	corporation or other private g	roup entity			
4a. The following fee(s) are	enclosed:	4b. Pay	ment of Fee(s):						
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a. Applicant claims Si	MALL ENTITY status. See 3	7 CFR 1.27. □ b.	. Applicant is not	claiming SMALL El	NTITY status. See, e.g., 37 CF	R 1.27(g)(2).			
NOTE: The Issue Fee and F		will not be accepted from	n anyone other th		sly paid issue fee to the applic gistered attorney or agent; or t				
(Authorized Signature)		(Date)							
an application. Confidential	lity is governed by 35 U.S.C pplication form to the USPT s for reducing this burden, sl tinia 22313-1450. DO NOT	. 122 and 37 CFR 1.14.	This collection i	s estimated to take 12	y the public which is to file (ar 2 minutes to complete, includi comments on the amount of to d Trademark Office, U.S. Dep SS. SEND TO: Commissioner	ing gathering, preparing, and			

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* APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,999	07/11/2003	Hiroaki Hyuga	Q76382	2772
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Dekel Patent Ltd.		VU, JIMMY T		
Beit HaRofim 18 Menuha VeNah	ala Street, Room 27		ART UNIT	PAPER NUMBER
Rehovot,	,		2821	·
ISRAEL			DATE MAILED: 07/30/2004	1

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	T*-	
•	Application No.	Applicant(s)
Notice of Allowability	10/616,999	HYUGA, HIROAKI
	Examiner	Art Unit
	Jimmy T Vu	2821
The MAILING DATE of this communication apperaison dil claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in) or other appropriate communication is surplication is surplication.	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>07/11/2003</u> .		
2. The allowed claim(s) is/are <u>1-31</u> .		
3. \boxtimes The drawings filed on <u>11 July 2003</u> are accepted by the Ex	xaminer.	
4. ☑ Acknowledgment is made of a claim for foreign priority una) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	e been received. e been received in Application	n No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submINFORMAL PATENT APPLICATION (PTO-152) which giv	nitted. Note the attached EXA es reason(s) why the oath or	MINER'S AMENDMENT or NOTICE OF declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Paper No./Mail Date leach sheet. Replacement sheet(s) should be labeled as such in the sheet.	son's Patent Drawing Review - 's Amendment / Comment or 1.84(c)) should be written on th	in the Office action of e drawings in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	RIAL must be submitted. Note the LOGICAL MATERIAL.
Attachment(s)		
1. Notice of References Cited (PTO-892)		ormal Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./I	mmary (PTO-413), Mail Date
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>07/11/03</u> 	08), 7. 🗌 Examiner's A	Amendment/Comment
4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	Jame Vannuca.
		JAMES VANNUCCI PRIMARY EXAMINER

Application/Control Number: 10/616,999 Page 2

Art Unit: 2821

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-31 are allowed.

2. The following is an examiner's statement of reasons for allowance:

None of the prior art teaches the exposure device wherein the range from shadow to highlight is represented by $\{n \times (m-1)+1\}$ stages, and based upon the exposure gradations thus assigned, controls each of the n-number of light-emitting elements for exposing the single position of the photosensitive material n times at maximum.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and relied upon is considered pertinent to applicant's disclosure. The best consider with this application can be filed in Ohhata (U.S. Patent number 4,459,512), Kawai (U.S. Patent number 5,445,924) and Ohshima (U.S Patent Application Publication number US2004/0005519 A1).

Priority

4. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Art Unit: 2821

Information Disclosure Statement

5. The references listed on the information disclosure statement submitted on 07/11/2003 have been considered.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy T Vu whose telephone number is (571) 272-1832. The examiner can normally be reached on M - F: 9 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1553.

Jimmy Vu

July 16, 2004

JAMES VANNUCCI PRIMARY EXAMINED

Substitute for Form 144	9 A & R/PTO			Complete if Known					
Substitute for Fortiff F4	AGBIIO			Application Number	.Unknown	10/6/6,999			
INFO	RMATION	DISCLOS	SURE	Confirmation Number	Confirmation Number Unknown				
STATEMENT BY APPLICANT				Filing Date	Filing Date July 11, 2003				
				First Named Inventor	First Named Inventor Hiroaki HYUGA				
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				Examiner Name	Examiner Name Unknown J				
Sheet	1	of	1	Attorney Docket Number	Q76382				

	U.S. PATENT DOCUMENTS											
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Initials* No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date Considered

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

	•	Notice of Reference	o Citod	•	Application/ 10/616,999	Control No.	Applicant(s Reexamina HYUGA, H	ation	
		Notice of References	s Cited		Examiner	Art Unit			
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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Beit Harof im 18 Menuha VeNahala Street, Room 27

Rehovot 76209

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Tel: 972-8-9495334 .5υ Fax. 972-8-9495323 .υρο E-mail: dekelltd@netvision.net.il

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בית הרופאים מנוחה ונחלה 18, חדר 27

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